Alabama **Grade 6**

FlyBy Math™ Alignment
Alabama Course of Study: Mathematics
Adopted 2003

Number and Operations

Students will:	***FlyBy Math*™ Activities**
2. Solve problems involving decimals, percents, fractions, and proportions.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

Algebra

Students will:	***FlyBy Math*™ Activities**
3. Solve problems using numeric and geometric patterns. • Determining a verbal rule for a function given the input and output	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. --Represent distance, speed, and time relationships for constant speed cases using tables, bar graphs, line graphs, equations, and a Cartesian coordinate system.

Geometry

Students will:	***FlyBy Math*™ Activities**
5. Plot coordinates on grids, graphs, and maps. • Identifying the coordinates of a point on the Cartesian plane	--Plot points on a schematic of a jet route, on a vertical line graph, and on a Cartesian coordinate system to describe the motion of two airplanes and predict outcomes.

Measurement

Students will:	***FlyBy Math*™ Activities**
8. Determine the distance between two points on a scale drawing or a map using proportional reasoning. • Using different forms of notation to symbolize ratios and rates	--Calculate and measure the position and time of simulated aircraft. Represent that motion using tables, graphs, equations, and experimentation.

Data Analysis and Probability

Students will:	***FlyBy Math*™ Activities**
10. Interpret information from bar graphs, line graphs, and circle graphs.	--Represent distance, rate, and time data using line plots, bar graphs, and line graphs. --Use tables, bar graphs, line graphs, equations, and a Cartesian coordinate system to draw conclusions.